

BIOGRAPHICAL SKETCH

NAME: Janet J. Diliberto

POSITION TITLE: Research Biologist

EDUCATION/TRAINING

Institution	Degree	Year	Field of Study
Roberts Wesleyan College, Rochester, NY	B.A.	1960	Biology
University of Rochester Graduate School, Rochester, NY		1961-62	Pharmacology

PROFESSIONAL EXPERIENCE:

1960-1970 Technical Associate, Pharmacology Department, University of Rochester Medical School, Rochester, NY
1980-1986 Biological Laboratory Technician, Laboratory of Pharmacology, Division of Intramural Research, NIEHS, RTP, NC
1986-1990 Research Biologist, Chemical Disposition Group, Systemic Toxicology Branch, National Toxicology Program, NIEHS, RTP, NC
1990-present Research Biologist (principal investigator), Pharmacokinetics Branch, Experimental Toxicology Division, NHEERL, US EPA, RTP, NC

PROFESSIONAL SOCIETIES:

North Carolina Chapter, Society of Toxicology

SELECTED AWARDS AND HONORS:

1998 Scientific and Technological Achievement Award, Level III, ORD, US EPA, RTP, NC
1999 Scientific and Technological Achievement Award, Level II, ORD, US EPA, RTP, NC
2000 Scientific and Technological Achievement Awards (2 Honorable Mentions), ORD, US EPA, RTP, NC

INVITED LECTURES/SYMPOSIA:

2000 National Institute of Environmental Studies (NIES; Environment Agency of Japan), Tsukuba, Japan
2000 Workshop on Knockout Mice, Japanese Society of Toxicology Meeting, Yokohama, Japan

ASSISTANCE/LEADERSHIP PROVIDED TO THE SCIENTIFIC COMMUNITY:

2002-present Member of the International Life Sciences Institute (ILSI) Health and Environmental Sciences Institute (HESI) Agricultural Chemicals Safety Assessment Subcommittee ADME Task Force and Liaison to the Life-Stages Task Force.

ASSISTANCE/LEADERSHIP PROVIDED TO THE AGENCY:

1998 Delegate (sponsored by the Gore-Chenobyl Commission) to Third North American-Russian Workshop on Joint Actions to Reduce Dioxin and Dioxin-related Compounds, Lake Baikal, Siberia

PUBLICATIONS (From January 1, 1998 to present, out of a total of 43 publications):

Jackson, J. A., Diliberto, J. J., and Birnbaum, L. S. (1998) Effects of age, sex, and pharmacologic agents on the biliary elimination of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) in F344 rats. *Drug Metabolism and Disposition* 26: 714-719.

Hamm, J. T., Ross, D. G., Richardson, V. M., Diliberto, J. J., and Birnbaum, L. S. (1998) Methoxyresorufin: an inappropriate substrate for CYP1A2 in the mouse. *Biochemical Pharmacology* 56: 1657-1660.

Abbott, B.D., Buckalew, A. R., Diliberto, J. J., Wood, C. R., Held, G., Pitt, J. A., and Schmid, J. E. (1999) AhR, ARNT, and Cyp1A1 mRNA quantitation in cultured human embryonic palates exposed to TCDD and comparison

with mouse palate in vivo and in culture. *Toxicological Sciences* 47: 62-75.

Abbott, B.D., Schmid, J. E., Pitt, J. A., Buckalew, A. R., Wood, C. R., Held, G. A., and Diliberto, J. J. (1999) Adverse reproductive outcomes in the transgenic Ah receptor-deficient mouse. *Toxicology and Applied Pharmacology* 155:62-70.

Diliberto, J. J., Burgin, D., and Birnbaum, L. S. (1999) Effects of CYP1A2 on disposition of 2,3,7,8-tetrachlorodibenzo-*p*-dioxin, 2,3,4,7,8-pentachlorodibenzofuran, and 2,2',4,4',5,5'-hexachlorobiphenyl in CYP1A2 knockout and parental (C57BL/6N and 129/Sv) strains of mice. *Toxicology and Applied Pharmacology* 159:52-64.

Slezak, M.P., Diliberto, J. J., and Birnbaum, L. S. (1999) 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin-mediated oxidative stress in CYP1A2 knockout (CYP1A2^{-/-}) mice. *Biochemical and Biophysical Research Communications* 264:376-379.

Slezak, B. P., Hatch, G. G., DeVito, M. J., Diliberto, J. J., Slade, R., Crissman, K., Hassoun, E., and Birnbaum, L. S. (2000) Oxidative stress in female B6C3F1 mice following acute and subchronic exposure to 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD). *Toxicological Sciences* 54:390-398.

DeVito, M. J., Menache, M. G., Diliberto, J. J., Ross, D. G., and Birnbaum, L. S. (2000) Dose-response relationships for induction of CYP1A1 and CYP1A2 enzyme activity in liver, lung, and skin in female mice following subchronic exposure to polychlorinated biphenyls. *Toxicology and Applied Pharmacology* 167:157-172.

Diliberto, J. J., DeVito, M. J., Ross, D. G., and Birnbaum, L. S. (2001) Subchronic exposure of [³H]2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) in female B6C3F1 mice: Relationship of steady-state levels to disposition and metabolism. *Toxicological Sciences* 61, 241-255.

Burgin, D. E., Diliberto, J. J., Derr-Yellin, E. C., Kannan, N., Kodavanti, P. R. S., and Birnbaum, L. S. (2001) Differential effects of two lots of Aroclor 1254: Enzyme induction, thyroid hormones, and oxidative stress. *Environmental Health Perspectives* 109, 1163-1168.

Birnbaum, L. B., Staskal, D., and Diliberto, J. J. (in press) Health effects of polybrominated dibenzo-*p*-dioxins (PBDDs) and dibenzofurans (PBDFs). *Environment International*.

INSTRUCTIONS FOR BIOGRAPHICAL SKETCH
(Two pages maximum)

Everyone needs to use the following format and forms for their biographical sketch. The questions the peer reviewers will be asked to answer (taken from the charge to the reviewers) which are pertinent to each section of the biosketch are listed. Keep in mind that the Division is being judged as a whole. Therefore everyone does not have to respond to every question. However, you should be aware of what the reviewers are looking for. Biosketches should cover period since last review – January 1, 1998 to the present.

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NAME: _____ **POSITION TITLE:** _____

EDUCATION/TRAINING

Institution	Degree	Year	Field of Study
	B.S. M.S. Ph.D.		

PROFESSIONAL EXPERIENCE:

- There are no specific questions for this but people should list their present and previous positions with dates, including adjuncts

PROFESSIONAL SOCIETIES:

Reviewers are looking for answer to the following:

- Do scientists serve on professional societies, publication boards, etc.?

SELECTED AWARDS AND HONORS:

Reviewers will be looking for answers to:

- Do they receive awards/honors for scientific contributions?
 - Do they receive major Agency awards/honors?
- (This information may also be included under the Assistance/Leadership portion below)

INVITED LECTURES/SYMPOSIA :

Reviewers will be looking for answers to the following:

- Mechanisms and extent to which findings/products are disseminated to scientific audience in timely fashion?
- Mechanisms and extent to which findings/products are disseminated to Agency in timely fashion?

ASSISTANCE/LEADERSHIP PROVIDED TO THE SCIENTIFIC COMMUNITY:

Reviewers will be looking for answers to the following questions:

- Do scientists serve on national/international workgroups, symposia, professional societies, publication boards?
- Are they members of research review boards (e.g. study sections) for other organizations?
- Do they provide scientific or technical guidance to local, state, tribal, and international governments?
- Do scientists lead collaborative research efforts at the national/international level?
- Do they serve on advisory boards of other major agencies/organizations?
- Are they invited to chair major committees?
- Do they organize major conferences, symposia?

ASSISTANCE/LEADERSHIP PROVIDED TO THE AGENCY:

Reviewers will be looking for answers to the following questions:

- Does Division staff participate on major within-Agency workgroups?
- Do Division scientists assist the Agency in developing testing guidelines, interpreting research advances, reviewing Program Office or Regional documents?
- Does Division staff lead research planning and coordination efforts across Division, Agency labs, and Offices?
- Mechanisms and extent to which findings/products are disseminated to Agency in timely fashion?

PUBLICATIONS (From January 1, 1998, out of a total of _____ publications):

Fill in total number of publications

Reviewers will be looking to answer:

- Mechanisms and extent to which finding/products are disseminated to scientific audience in timely fashion